

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/NO 03/00298

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 H04L12/43 H04Q11/04 H04J3/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04Q H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/123476 A1 (SHENOI KISHAN) 3 July 2003 (2003-07-03) page 1, column 1, line 1 -page 2, column 1, line 19 page 3, column 1, line 11 - line 57 page 3, column 2, line 43 - line 55 abstract	1-18
A	US 5 515 371 A (VENTERS W STUART) 7 May 1996 (1996-05-07) column 1, line 15 -column 2, line 60 abstract	1-18
A	WO 98 08355 A (NORTHERN TELECOM LTD) 26 February 1998 (1998-02-26) page 1, line 1 -page 2, line 9 page 4, line 1 -page 5, line 22 abstract	1-18
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## ° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

18 February 2004

Date of mailing of the international search report

11. 03. 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	<p>"Extending the Reach and Rate of Symmetric DSL Service" SYMMETRICOM, WHITE PAPER, [Online] XP002270685 Retrieved from the Internet: &lt;URL:http:www.symmetric.com.media/pdf/ap p-noted/wp-extending-dsl.pdf&gt; [retrieved on 2004-02-18] page 2 -page 3 page 5, line 1 -page 6, line 5 page 8, line 1 -page 9, line 6 -----</p>	1-18

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NO 03/00298

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003123476 A1	03-07-2003	US 2003048802 A1	13-03-2003
US 5515371 A	07-05-1996	NONE	
WO 9808355 A	26-02-1998	CA 2263478 A1	26-02-1998
		WO 9808355 A1	26-02-1998
		EP 0920784 A1	09-06-1999
		JP 2002512743 T	23-04-2002
		US 6205142 B1	20-03-2001